Municipal Day 2017 – Inform Municipal Decisions with Mapping Data and Tools

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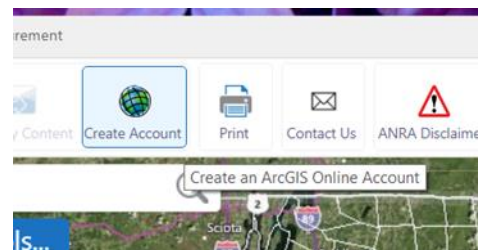*leslie.pelch@vermont.gov, 802-882-3002*
vcgi.vermont.gov
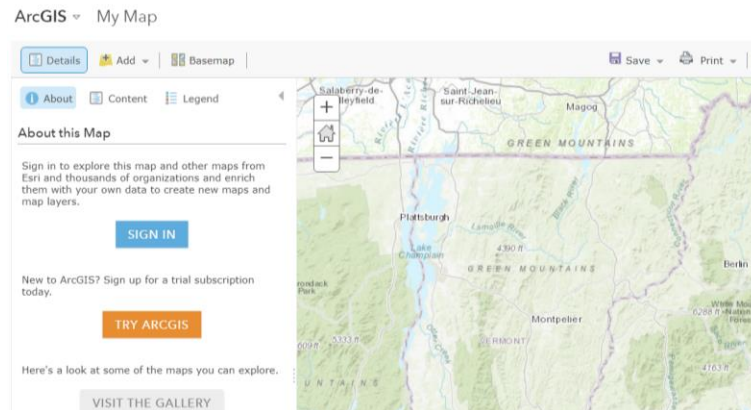*geodata.vermont.gov*

This workshop will empower you with information about mapping data available from various agencies/departments through the VT Open Geodata Portal. You will also see demonstrations of mapping tools like the ANR Atlas, Biofinder, E911 Atlas, ArcGIS Online, and free desktop mapping software QGIS. At the end of this workshop, you will be able to navigate the many mapping options available to help you make better decisions.

1. Geodata Portal Demo – data, services, apps, various ways to access – http://geodata.vermont.gov
    a. Help Videos here:
        https://www.youtube.com/playlist?list=PLMg5UHByMftdglMUWsqMp22nEtF5jqG1P
    b. ACCD – VT Tax Increment Financing (TIF) Districts
    c. VTrans – VTrans Small Culvert Inventory - Culverts
    d. ANR – VT Priority Stream/River
    e. RPCs – 2015 Housing Points in Chittenden County, VT
    f. VCGI – Orthophotos/Imagery, download airports
2. Mapping Apps
    a. Find many Vermont Mapping Apps:
        i. http://vcgi.vermont.gov/maps/interactive or
        ii. http://geodata.vermont.gov/datasets?t=all(itemtypewebapp)
        iii. Check out Chapter 3 for tips on using the VCGI Interactive Map Viewer (much of it applies to Atlas and E911 Viewer as well!):
            http://vcgi.vermont.gov/education/training#workbook
    b. ANR Atlas – create an account in ArcGIS Online <u>first</u> if you want to save your project!

    c. E911 Viewer – Very helpful for looking at addresses and fire hydrants!
    d. VCGI Interactive Map Viewer (IMV) – Has some layers not found on other viewers, including ALL aerial imagery, back to 1994.

e. ArcGIS Online – fairly easy to create custom dynamic map that can be shared with others via link! http://www.arcgis.com

3. QGIS – Desktop software for the motivated – starting from scratch to build a map. http://qgis.org
   a. Connect to basemaps via a free plugin called Open Layers
   b. Acquire other data layers (from VCGI, from your parcel mapping company, from your RPC?)
   c. Bring your layers into the map project - you control everything from the order in which they are layered to symbology and labelling.
   d. Check out the training manual posted here, particularly chapters 5-9 (or search for Youtube Videos and other online tutorials!): http://vcgi.vermont.gov/education/training#workbook